

our ears and our movable jaws to this ferocious sea dweller. In the ascent of animals it is notable that some special organ is developed as each stage is passed. As the beginning of the brain as real brain goes back to the worm Amphioxus, in the common ancestors of shark and man two very important developments of structure first appear. These are the hinged jaws, movable at the will of the animal and in addition, as if preparing the way for the co-operation of the jaws to utter sounds, the shark was the first animal to have

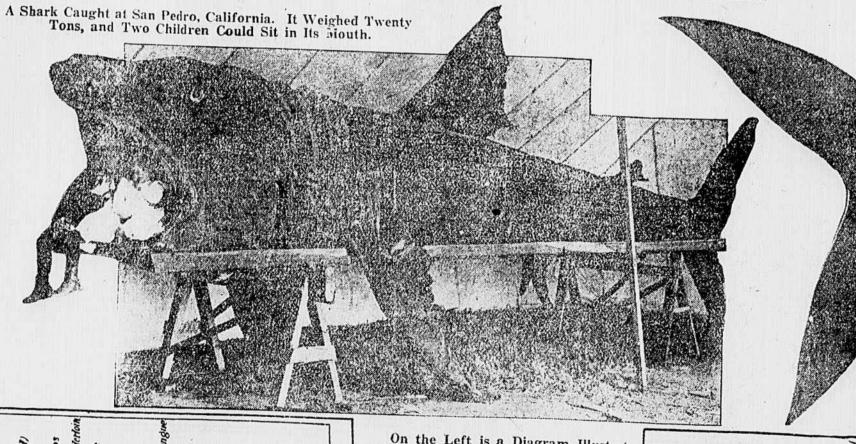
To put it in a few words, in the process of evolution, had it not been for the stage of the common ancestor of shark and man, man would have been both deaf and dumb, for speech is absolutely dependant upon a moveable jaw, or articulation would be impossible. And besides, unless we hear, and we cannot hear without ears, we can never learn to

Sharks have a strong sense of smell, Sharks have a strong sense or smell, and their vision is limited to one hundred feet under water and possibly to less than fifty feet when their head emerges from their native element.

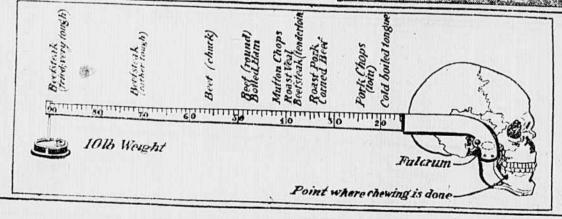
It is nearly impossible to compare the jaw of a shark with that of a human hairs or other mannal. A man chews

being or other mammal. A man chews, rather than bites his meats, because his teeth are built that way. The mammal teeth are largely for mastication. While, of course, one man can give another a masty bite, he cannot crash his teeth through bones or even muscle. The jaws of a shark the same size as the man will have, it has been conservativeswim, is it born. On the basis of the

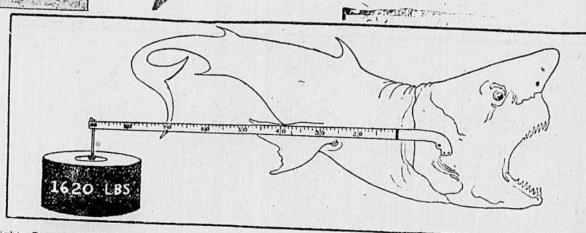
prevail, the taste may gradually decline to normal.



The Shark of the Eccene Period, Which Grew to 100 Feet in Length, Had a Mouth from Ten to Eighteen Feet Wide When Open, and Could Easily Have Snapped in Two a Laden Motorboat. The Photographic Diagram Is Accurately Reconstructed from Skeletal Fragments of the Fossil Monsters at the American Museum of Natural History, New York.



On the Left is a Diagram Illustrating the Power the Human Jaw Must Exert to Bite the Various Articles of Food Lettered on the Scale. A Shark the Same Size as a Man Has 162 Times the Jaw Force. His Whole Body Is Used in the Snap, and Additional Force Is Given by the Powerful Tail. He Is in Fact a Biting Machine, the Whole Body Having Adapted Itself from Tail to Jaws to This Mission Through Millions of Years.



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